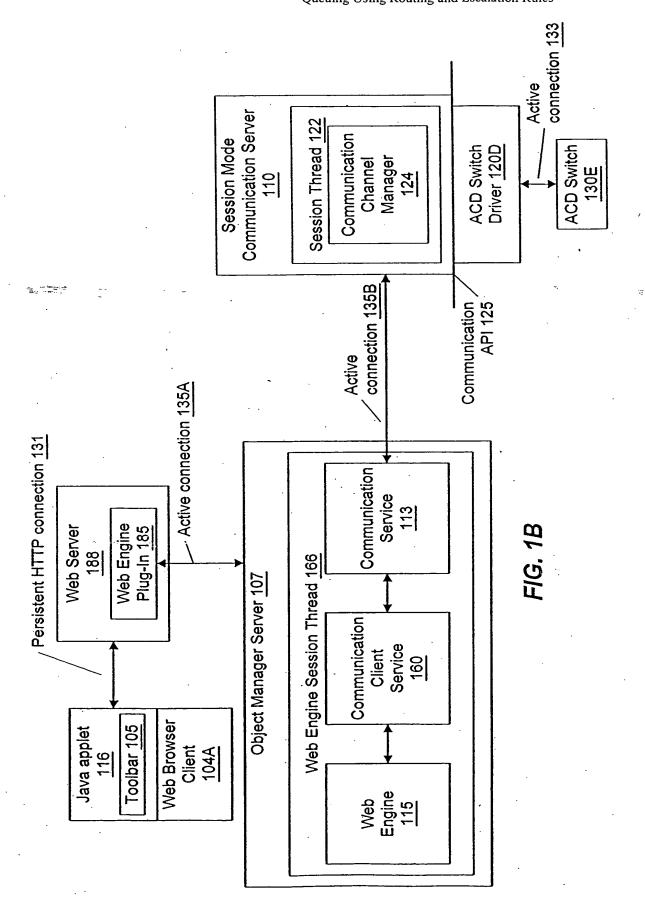


Attor ocket No.: First Ned Inventor: Title:



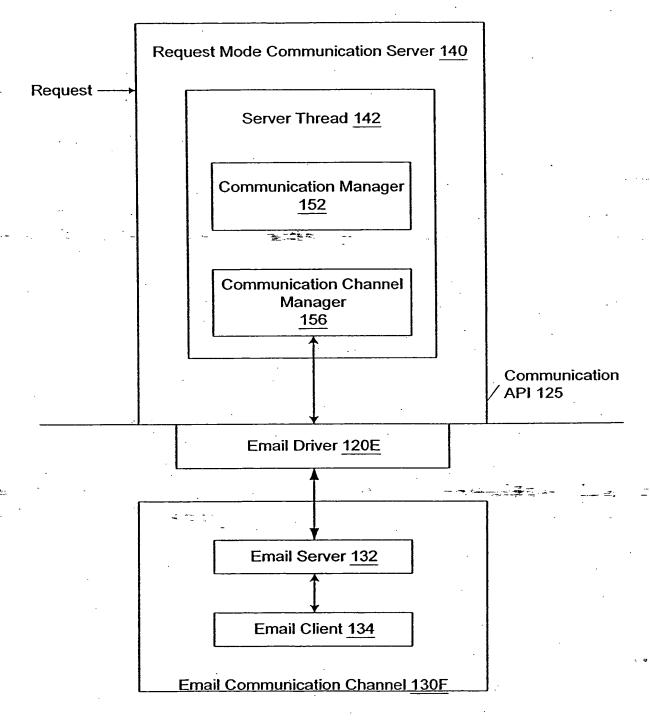
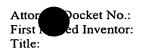
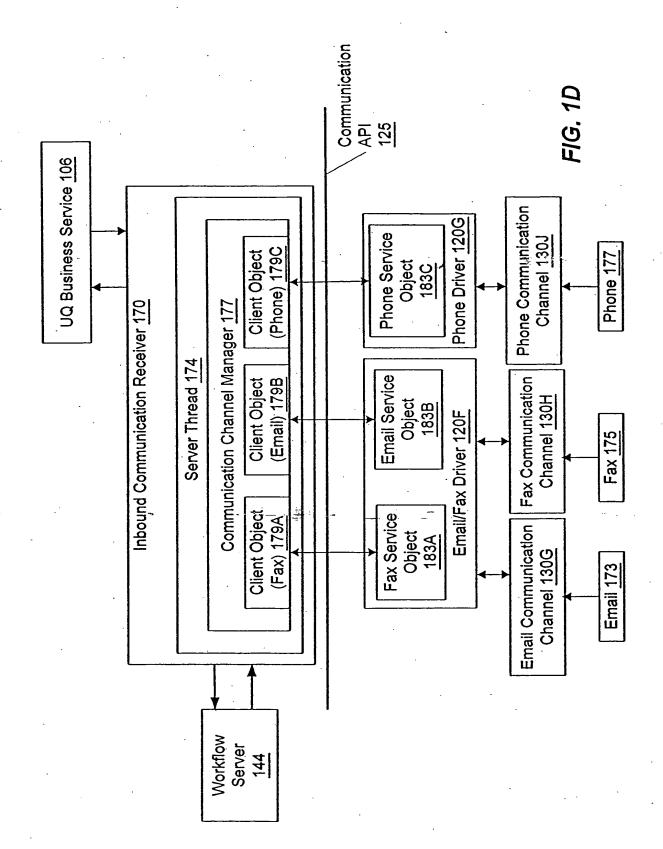
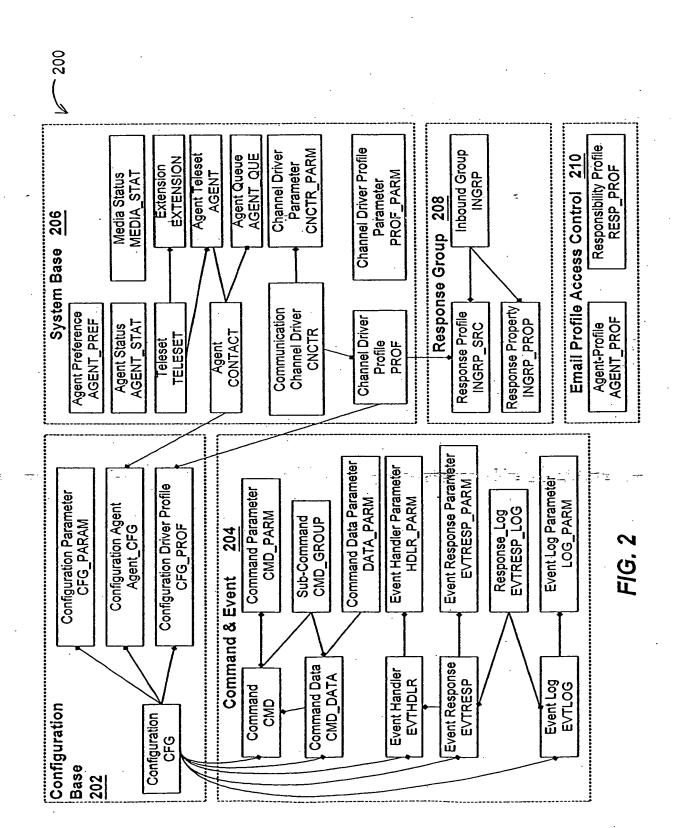


FIG. 1C





Attor Pocket No.: First ed Inventor: Title:



COESTE CESCI

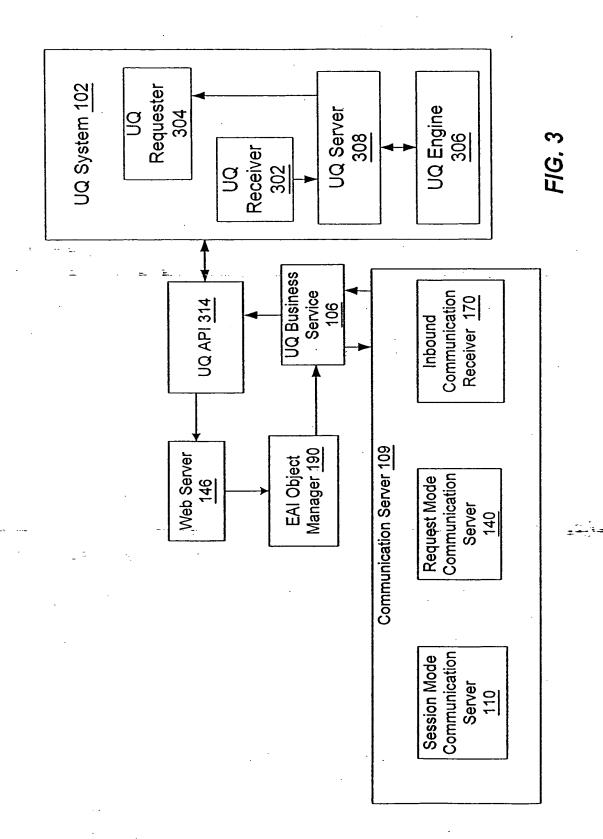


FIG. 4a: TABLE UQ_CFG

Column_Name	Type	Length	Comments
NAME	Varchar	75	
SERVER_NAME	Varchar	75	
SERVER_PORT	Number	10	
RECEIVER_NAME	Varchar	75	
RECEIVER_PORT	Number	10	

FIG. 4B: TABLE UQ_CFG_PARAM

Column_Name	Type	Length	Comments
UQ_CFG_ID	Varchar	15	
NAME	Varchar	50	
VALUE	Varchar	50	

FIG. 4C: TABLE UQ_ROUTERULES

Column_Name	Type	Length	Comments
Rule ID	VarChar	75	User defined name of the route
PRIORITY_CD	Varchar	30	Lower the value, higher the priority.
MEDIA_TYPE_CD	VarChar	30	Select from list of values including "PBX", "Web
			Chat", "Web Collaboration", "Fax", "E-Mail"
MEDIA_SERVICE_LEVEL	Number	10	The number of seconds by which the majority of the
			work items need to be handled for a media type to
	•		which the routing rule corresponds
ACTIVE_FLG	Char	1	Indicates whether this route is active or not. If the
			route is not active, information for this route will not be
			passed to UQ engine.
SERVICE_LEVEL	Number	10	The number of seconds by which the majority of the
			work items need to be handled in the route
CAPACITY	Number	10	Maximum capacity of this route. Alarm is raised when
			the number of queued item exceeds the CAPACITY
SELECTION CRITERIA	Char		
IsContact	Boolean	1	
TIME_OUT_SCND	Number	10	Time in second in which when the work item is not
			server, the first escalation rule will be effective.
RouteToUnavailable	Boolean		Can a workitem in this route be routed to an agent who
			is not available?

Attor Pocket No.: First ed Inventor: Title: M-11830 US
Anil K. Annadata et al.
System and Method For Multi-Channel Communication
Queuing Using Routing and Escalation Rules

FIG. 4D: TABLE UQ_ROUTE_PROP

Column_Name	Type	Length	Comments
UQ_ROUTE_ID	Varchar	15	
NAME	Varchar	75	Name of the property
VALUE	Varchar	75	Value of the property

FIG. 4E: TABLE UQ_ROUTE_ESCL

Column_Name	Type	Length	Comments
UQ_ROUTE_ID	Varchar	15	
NAME	Varchar	75	Name of the escalation rules
TIME_OUT_SCND	Number	10	Time in seconds in which the
			escalation rule will be timed out. Zero
			time means waiting indefinitely.
SEO NUM	Number	10	Order of escalation rules

FIG. 4F: TABLE UQ_RTESCL_RUL

Column_Name	Type	Lengt	Comments
		h	
ROUTE_ESCL_ID	Varchar	15	
	Varchar	50	Skill
SKILL_ITEM	Varchar	50	Name of skill items. For example "English" for Language skill. If skill item is null, it is a substitution of language from the work item data property. This is typically used when different rules for different languages are not required. Languages can be retrieved from the work item data property.
EXPERTISE	Varchar	30	Level of skill is chosen from a list of values, for example: 3 = EXPERT 2 = INTERMEDIATE 1 = NOVICE 0 = NO_SKILL

FIG. 4G: TABLE UQ_SKL_MAP

Column_Name	Type	Length	Comments
ROUTE_PROP_NAME	Varchar	75	Route property name
ROUTE_PROP_VALUE	Varchar	75	Route property value
SKILL_NAME	Varchar	75.	Skill name
SKILL_VALUE	Varchar	75	Skill value

FIG. 4H: TABLE UQ_USER_MEDIA

Column_Name	Type	Length	Comments
USER_ID	Varchar	15	Agent number
MEDIA_TYPE_CD	varchar	30	Type of media
MAX_NUM_SESSIONS	Number	10	Maximum sessions of this media type
			allowed for this agent.

FIG. 41: TABLE UQ_ROUTE_STS

Column_Name	Type	Length	Comments
ROUTE_ID	Varchar	<i>SL</i>	
START_TS	Date Time		Start time
END_TS	Date Time		End time
SOURCE_NAME	Varchar	75	The route name
AVG_WAIT_TM	Number	10	Waiting time during the given period
AVG_HANDLE_TM	Number	10	Handling time during the period
NUM_ABANDONED_REQS	Number	10	Number of abandoned requests
AVG_ABANDONING_TM	Number	10	Average time until request is abandoned
LONGEST_WAIT_TM	Number	10	Longest waiting time in seconds
AVAIL_USER_PCT	Number	10	Percentage of available agents
AUX_WORK_USER_PCT	Number	10	Percentage of auxwork agents
TOTAL_NUM_WORKITEMS	Number	10	Total number of work items
TOTAL_NUM_UNASSIGNED	Number		Total number of unassigned work items.
_WORKITEM			
TOTAL_NUM_DELIVERED_	Number		Total number of delivered work items.
WORKITEM			
TOTAL_NUM_SERVICE_	Number		Total number of service level work items.
LEVEL_WORKITEM			
Comments	Varchar	250	-

Column_Name	Type	Length	Comments
MEDIA_TYPE_CD	Varchar	30	
START_TS	Date Time		
END_TS	Date Time		
SOURCE_NAME	Varchar	22	Either the route name
AVG_WAIT_TM	Number	10	Waiting time during the given period
AVG_HANDLE_TM	Number	10	Handling time during the period
NUM_ABANDONED_REQS	Number	10	Number of abandon request
AVG_ABANDONING_TM	Number	10	
LONGEST_WAIT_TM	Number	10	Longest waiting time in seconds
AVAIL_USER_PCT	Number	10	Percentage of available agents
AUX_WORK_USER_PCT	Number	10	Percentage of auxwork agents
TOTAL_NUM_WORKITEMS	Number	10	Total number of agent if each agent
			handle only one work item
TOTAL_NUM_UNASSIGNED_WO Number RKITEM	Number	•	
NUM_DELIVERED_WOR	Number		
KITEM			
TOTAL_NUM_SERVICE_LEVEL_	Number		
WORKITEM			
Comments	Varchar	250	

FIG. 4K: TABLE UQ_USER_STS

Column_Name	Type	Length	Comments
USER_ID	Varchar	15	
START_TS	Date Time	7	
END_TS	Date Time	7	
CONTACT_ID	Varchar	15	
AVAIL_PCT	Number		Percentage available
BUSY_PCT	Number		Percentage busy
AUX_WORK_PCT	Number		Percentage auxwork
NUM_COMM_ITEM_SRVD	Number		Number of work item served
Comments	Varchar	250	

FIG. 4L: TABLE UQ_ERR_LOG

Column_Name	Type	Length	Comments
Vame	DateTime	L	
IYPE_CD	Varchar	30	Either alarm or error
Sewering	Warchar	30	
ERROR_CODE	Varchar	10	Alarm code or error code
MSG DESC	Varchar	250	Template for message

FIG. 4M: S_JOURNAL

Column_Name	Type	Length	Comments
WORK_ITEM_ID	Varchar	250	Work item ID
ROUTE_NAME	Varchar	75	The name of the route. Use the actual
			name instead of ID because the nature
			of the route could be changing from
			time to time.

S_JOURNAL_WORKITEM_PROPERTY

Column_Name	Type	Length	Comments
JOURNAL_ID	Varchar	15	
Name	Varchar	75	Name of the property
Value	Varchar	75	Value of the property

JOURNAL ESC HIST

The state of the s			
Column_Name	Type	Length	Comments
JOURNAL_ID	Varchar	15	
ESC_STEP_NAME	Varchar	75	
START_TIME	Date Time		Start time
END_TIME	Date Time		
RESULT	Varchar	75	

S_JOURNAL_STATE_HIST

Column_Name	Type	Length	Comments
JOURNAL_ID	Varchar	15	
USERID	Varchar	15	
START_TIME	Date Time		Start time
	Date Time		
AGENTSTATE	Varchar	50	
REASON	Varchar	50	

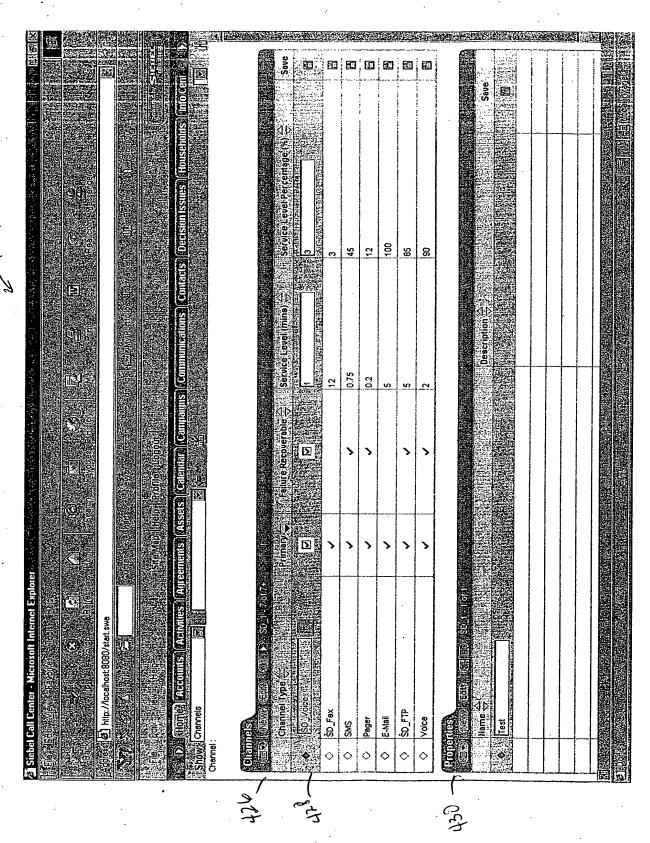
	Immunications Contacts Decision Issues Horistinuts Inforced Maria Maria	A CONTROLL OF THE PROPERTY OF	10 100	16.667 87 100	88	5 56 56		Property Value之 End Group云 Jain 云	Email Furnature .com. ctair subsection ()
	Assets Calentrari (Campairins) (Cam		ă l	1 Šp_10	10	8 2		<u></u> ⇔uoi	Email Figure 1 Consultation of the Consultatio
osoft Internet Explorer Compared to the property of the prope	Its FActivities Faccements R	Siperent States	ŠD_Web Collaboration	SD_Web Collaboration E-Mail	E-Mail	ŠD_Fex ŠD_Fex			Recibient
Stabel Call Center: Microsoft Internet Field Figure 1/2 And 1/	Show Routes Route: Rout	- Se Whal Route	♦ Wal Route #2	♦ Temp Route ♦ InActive Route	1 !	♦ Fax1	O STATE OF THE PARTY OF THE PAR	Begin Group ⊖	11年

F16.49

Atto Docket No.: First ned Inventor: Title: M-11830 US
Anil K. Annadata et al.
System and Method For Multi-Channel Communication
Queuing Using Routing and Escalation Rules

Fig.
HAND CONTRACTOR OF THE PROPERTY AND ADDRESS OF THE PROPERTY OF

716. 4r



F16. 45